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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/620,755	07/15/2003	Ragulan Sinnarajah	030275	8985
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5775 MOREH	/620,755 07/15/2003 Ragulan Sinnarajah	MEHRPOUR, NAGHMEH		
SAN DIEGO,	CA 92121		ART UNIT PAPER NUMBER 2617	
			NOTIFICATION DATE	DELIVERY MODE
			05/23/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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		Application No.	Applicant(s)		
		10/620,755	SINNARAJAH ET AL.		
	Office Action Summary	Examiner	Art Unit		
		Naghmeh Mehrpour	2617		
Period fe	The MAILING DATE of this communication app or Reply	pears on the cover sheet with the	correspondence address		
A SH WHIC - Exte after - If NC - Failu Any	IORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DAINS IN 1975 THE MAILING DAINS IN 1975 THE MAILING DAINS IN 1975 THE MONTHS from the mailing date of this communication. Or period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing led patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATIO 36(a). In no event, however, may a reply be ti will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDON	N. mely filed n the mailing date of this communication. ED (35 U.S.C. § 133).		
Status					
1)⊠	Responsive to communication(s) filed on 12 Fe	ebruary 2007.			
2a) <u></u> ☐	This action is FINAL . 2b)⊠ This action is non-final.				
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
	closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 4	.53 O.G. 213.		
Disposit	ion of Claims		•		
5)□ 6)⊠ 7)□	Claim(s) 1-72 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) 1-72 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	wn from consideration.			
Applicat	ion Papers				
	The specification is objected to by the Examine				
10)	The drawing(s) filed on is/are: a) acce				
	Applicant may not request that any objection to the				
11)	Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex		•		
Priority (under 35 U.S.C. § 119				
а)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau See the attached detailed Office action for a list	s have been received. s have been received in Applicative documents have been received in Applicative documents have been received.	tion No red in this National Stage		
Attachmer	nt(s) ce of References Cited (PTO-892)	4) 🔲 Interview Summan	v (PTO-413)		
2) Notice No	ce of References Cited (PTO-692) ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) er No(s)/Mail Date	Paper No(s)/Mail D 5) Notice of Informal C 6) Other:	Date		

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DETAILED ACTION

1. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-3, 8, 11-12, 16, 19-20, 26, 33, 38, 44, 47-48, 52, 55-57, 65-66, 67, 70, are rejected under 35 U.S.C. 102(e) as being anticipated by Kinnavy (US patent Number 7,047,005).

Regarding claims 1, 11, 19, 37, 47, 55, 65, Kinnavy teaches method for providing short-slot-cycle paging information to a base station (BS)(col 6 lines 17-28), comprising:

a receiver capable of receiving information from a communication device (CD) (col 2 lines 55-66, see figure 3);

a transmitter capable of transmitting information to the CD (col 2 lines 55-56, see figure 3); and

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a processor 344 capable of carrying out a method for providing short-slot-cycle paging (col 2 lines 5-30, see figure 3), the method comprising:

indicating to the CD that the BS is capable of short-slot-cycle paging (col 2 lines 5-30);

receiving information from the CD, indicating that the CD is also capable for short-slot-cycle paging (col 2 lines 5-30, see figure 3); and

paging the CD based on the received information (see figure 3, col 2 lines 55-67, col 3 lines 1-3).

Regarding claims 2, 12, 20, 33, 38, 48, 56, 66, Kinnavy inherently teaches a method of claim 1, further including setting a negative slot-cycle-index value for said short-slot-cycle paging (col 3 lines 3-35).

Regarding claims 3, 21, 31, 39, 49, 57, 67, Kinnavy inherently teaches a wherein the negative slot-cycle-index value includes one of "-1," "-2," "-3," or "-4" (col 4 lines 39-67).

Regarding claims 8, 16, 26, 34, 44, 52, 62, 70, Kinnavy inherently teaches a method of claim 7, further including setting a desired slot cycle duration in a SLOT-CYCLE-INDEX field (col 2 lines 5-30, col 4 lines 5-39).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 6, 9-10, 17-18, 24, 27-28, 35-36, 45-46, 53-54, 63-64, 71-72, are rejected under 35 U.S.C. 103(a) as being unpatentable over Kinnavy (US patent Number 7,047,005).

Regarding claims 6, 24, 42, 60, Kinnavy does not specifically mention a method of claim 1, wherein said determining includes examining whether AUTO_MSG_SUPPORTED field is set to "1". However the Examiner takes official notice that designing different field and setting different number is a programmer choice. Therefore, it would have been obvious to ordinary skill in the art at the time the invention was made to combine the above teaching of with Kinnavy, in order to provide reduction of over head and caused by location update and to enable efficient paging.

Regarding claims 7, 15, 25, 33, 43, 51, 61, 69, Kinnavy does not specifically mention that a method of claim 1, wherein said indicating includes setting WLL_INCL to "1" in one of registration message, origination message, or page response message.

However the Examiner takes official notice that designing different field and setting

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different number is a programmer choice. Therefore, it would have been obvious to ordinary skill in the art at the time the invention was made to combine the above teaching of with Kinnavy, in order to provide reduction of over head and caused by location update and to enable efficient paging.

Regarding claims 9, 17, 27, 35, 45, 53, 63, 71, Kinnavy does not specifically mention a method of claim 7, further including setting a desired slot cycle duration in a WLL-DEVICE-TYPE field (col 7 lines 1-60). However the Examiner takes official notice that designing different field and setting different number is a programmer choice. Therefore, it would have been obvious to ordinary skill in the art at the time the invention was made to combine the above teaching of with Kinnavy, in order to provide reduction of over head and caused by location update and to enable efficient paging.

Regarding claims 10, 18, 28, 36, 46, 54, 64, 72, Kinnavy does not specifically mention that a method of claim 1, wherein said indicating includes setting a SLOT-CYCLE-INDEX with a most significant bit of "1" in one of registration message, origination message, or page response message (col 7 lines 1-59). However the Examiner takes official notice that designing different field and setting different number is a programmer choice. Therefore, it would have been obvious to ordinary skill in the art at the time the invention was made to combine the above teaching of with Kinnavy, in order to provide reduction of over head and caused by location update and to enable efficient paging.

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4. Claims 4-5, 13-14, 22-23, 31-32, 40-41, 58-59, 68, are rejected under 35 U.S.C. 103(a) as being unpatentable over Kinnavy (US patent Number 7,047,005) in view of Zhang et al. (US Publication 2004/0179492 A1).

Regarding claims 4, 13, 22, 31, 40, 50, 58, Kinnavy fails to teach a method of claim 1, wherein said determining includes examining system parameter messages including extended system parameter messages (ESPM). However, Zhang teaches determining includes examining system parameter messages including extended system parameter messages (ESPM) (0314). Therefore, it would have been obvious to ordinary skill in the art at the time the invention was made to combine the above teaching of Zhang with Zhang, in order to provide reduction of over head and caused by location update and to enable efficient paging.

Regarding claims 5, 14, 23, 32, 41, 59, 68, Kinnavy fails to teach a method of claim 1, wherein said determining includes examining system parameter messages including ANSI-41 system parameter messages (A41SPM). However, Zhang a method of claim 1, wherein said determining includes examining system parameter messages including ANSI-41 system parameter messages (A41SPM) (0320). Therefore, it would have been obvious to ordinary skill in the art at the time the invention was made to combine the above teaching of Zhang with Zhang, in order to provide reduction of over head and caused by location update and to enable efficient paging. Kinnavy modified by Zhang does not specifically mention a method of claim 1, wherein said determining includes

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examining whether AUTO_MSG_SUPPORTED field is set to "1". However the Examiner takes official notice that designing different field and setting different number is a programmer choice. Therefore, it would have been obvious to ordinary skill in the art at the time the invention was made to combine the above teaching of with Kinnavy modified by Zhang, in order to provide reduction of over head and caused by location update and to enable efficient paging.

Response to Arguments

5. Applicant's arguments with respect to claims 1-72 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

6. Any responses to this action should be mailed to:

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Naghmeh Mehrpour whose telephone number is 571-272-7913. The examiner can normally be reached on 8:00-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha Banks-Harold be reached (571) 272-7905.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NM

May 15, 2007

PRIMARY EXAMINER